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A. List of Restoration Activities

Restoration Maintenance and Monitoring Support Grant

Area covers past and upcoming restoration projects in support of the San Bernardino National Forest ecological restoration program, including 47 miles of unauthorized off highway vehicle trails in the following areas: Baldy Mesa, Cactus Flats, Circle Mountain, Air Curtain Destructor Site, Big Pine Flats and Holcomb Valley.

Project Description:

The San Bernardino National Forest Association (SBNFA) is the primary non-profit partner to the San Bernardino National Forest (SBNF), assisting in forest restoration, volunteer coordination and environmental education. The SBNFA has supported restoration projects of the SBNF for 15 years through volunteer support. The SBNFA hosts an OHV volunteer program and the Children's Forest youth volunteer program, which provide volunteer support for ecological monitoring, tree planting, native plant propagation, and watering/maintaining past planting projects. Between the OHV and Children's Forest (CF) volunteer programs, over 30,000 hours are contributed annually to the SBNF to maintain the forest. (3,900 annual CF; 21,500 annual OHV). Over 5 million people visit the San Bernardino National Forest annually, making this forest both the most visited and most impacted National Forest.

Several areas have been identified by the SBNF that are in need of restoration work on unauthorized OHV trails, including, but not limited to Baldy Mesa, Cactus Flats, Circle Mountain, Air Curtain Destructor Site, Big Pine Flats, and Holcomb Valley (Mountaintop restoration project). The SBNF is providing coordination, environmental analyses, monitoring plans, and overall project management for these restoration projects. This grant proposal is in support of past and proposed restoration grant projects awarded to the SBNF by the State OHV grant program.

The SBNFA proposes to provide staffing and volunteer coordination to increase the capacity and scope of these projects, offering field work, tree planting, watering, patrolling, and maintaining restoration sites as needed by the SBNF. Volunteers will be recruited, trained, managed, and transported by SBNFA staff to the various restoration sites.

The SBNFA also operates a native plant greenhouse, which can grow an additional 2,000 plants annually to support these restoration projects, and hold over larger plants grown by the SBNF greenhouse waiting for ideal planting conditions. The greenhouse is a year-round operation in which a large amount of staffing and volunteer support is required. Plant species grown in this greenhouse will be determined by the Restoration Biologist of the SBNF. Volunteer support of the greenhouse will consist of 500 hours annually, or \$9,520 of in-kind service.

The SBNFA is requesting funds to provide volunteer coordination and field support of OHV restoration projects, staffing support to operate the greenhouse, and dollars to purchase supplies necessary to grow 2,000 plants in the greenhouse.

The Proposed Budget for this project is as follows.

Resources necessary for this project include dollars for staffing, native plant propagation, and supplies. The following amounts are needed: \$3,000 for supplies, including soil, soil amendment, and potting benches for the greenhouse, \$10,000 for the Greenhouse Coordinator (\$5/plant to propagate 2,000 plants), and \$15,360 for Program Manager (384 hours annually @ \$40.00/hour) for a total of \$28,360 requested. A 10% Administrative cost is also requested for an additional \$2,836, for a total of \$31,196 requested for this project. Matching resources include \$46,077 in kind volunteer service (1,920 hours in the field, 500 hours in the greenhouse for 1,420 hours at the current government rate of \$19.04/hour), \$5,000 in tree planting supplies provided by TreePeople, and \$10,000 in salary provided by the Disney Wildlife Conservation Fund, for a total match of \$61,077. Total Project Budget is \$92,273.

Grant Timeframe: July 2009 - July 2010

B. How the Proposed Project Relates to OHV Recreation

OHV recreation is an incredibly popular activity on the San Bernardino National Forest. The SBNFA hosts an Education

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Agency: San Bernardino National Forest Association Application: Restoration

and Outreach program that hosts patrols, information fairs, classroom activities, and seminars about the importance of sustainable OHV recreation.

However, unauthorized OHV recreation continues to take place on the SBNF, with 885 miles of OHV roads and trails impacting several sensitive habitats with potential harm to 140 Threatened and Endangered species. Over 129 miles of OHV roads and trails are through identified sensitive habitat. It is imperative to restore these trails by slashing, building fence, planting, watering, monitoring, and patrolling these unauthorized trails.

On the SBNF, 32 miles of trail on the Mountaintop and Front Country Ranger Districts have been restored recently, in the areas of Baldy Mesa, Cactus Flats, Air Curtain Destructor Site, Big Pine Flats and Holcomb Valley. Restoration of these projects has included staffing hours, but we have included critical volunteer efforts to reduce costs and increase advocacy for stewardship of public lands. In order for the SBNF to be fully successful maintaining and monitoring these restored trails, partnerships with volunteer-based organizations such as the SBNFA are necessary.

An additional 15 miles of unauthorized OHV trails on the Front Country Ranger District (Circle Mountain) are in immediate need of restoration work; restoration efforts are planned to be completed during the timeframe of this grant jointly by the SBNF and the SBNFA.

The SBNFA is requesting funds to provide volunteer coordination and field support of restoration projects, staffing support to operate the greenhouse, and supplies for growing plants to support replanting unauthorized OHV trails. The SBNFA proposes to provide staffing and volunteer coordination to increase the quality, capacity and scope of this project. SBNFA will coordinate volunteers to complete seed collection, tree growing, plant propagation, watering, patrolling, and monitoring 32 miles of unauthorized OHV trails. Volunteers will be recruited, trained, managed, and transported by SBNFA staff.

Field work, including tree planting, slashing, monitoring and patrolling, will be conducted both large-scale and small-scale year-round. It is anticipated that an average of 160 volunteer hours (20 volunteers x 8 hours) will be supplied monthly to this project for field work, 1,920 hours annually which contributes \$36,557 of in-kind service to the SBNF, based on the government rate of \$19.04/hour. Volunteers will be coordinated twice monthly for formal restoration work days, where a minimum of 20 volunteers will participate. In addition, volunteers will patrol and monitor restoration work sites weekly, in smaller groups.

Greenhouse work will also be conducted to provide a seed source for replanting on the unauthorized OHV roads. The SBNFA manages a native plant greenhouse that operates in conjunction with the Mountaintop Ranger District. Under this project proposal, 2,000 additional plants (valued at \$5/plant) will be propagated and grown locally, by volunteers under the direction of the Greenhouse Coordinator. Volunteer support of the greenhouse will consist of 500 hours annually, or \$9,520 of in-kind service. A minimum of 25 formal greenhouse work days for volunteers will be coordinated, which includes seed cleaning, plant propagation, transplanting, maintenance, and monitoring of native plants marked for restoration projects on the unauthorized OHV trails. Daily monitoring will also take place year-round.

This service conducted by volunteers will assist the SBNF ecological restoration program in restoring unauthorized OHV trails. Involving volunteers is critical, creating advocates for the forest. Volunteers who assist in ecological restoration and monitoring have a more vested interest in protecting the forest, while learning about the impact of unauthorized use. Over one third of all 750 volunteers that the SBNFA manages are OHV users, both recreationally and in a volunteer work situation. The opportunity to positively impact these 47 miles of trails while directly involving OHV users will have a far greater impact as each volunteer becomes an advocate and teacher to other OHV users.

Evaluation Criteria

This Project will be evaluated by simple statistics:

- 1. Number of volunteer hours contributed (Goal: 1920 hours in the field, 500 hours in the Greenhouse = 1420 volunteer hours total)
- 2. Number of volunteers who support the project: (Goal = 240)
- 3. Number of trees planted (Goal: 5,000)
- 4. Number of tree grown in greenhouse (Goal = 2,000 plants)

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- 5. Miles of trail restored (Goal = 47 miles)
- 6. Number of work days (Goal = 48 days field and greenhouse)

C. Size of Project Site

The SBNFA will assist the SBNF ecological monitoring program in maintaining and monitoring 47 miles of recently rehabilitated unauthorized OHV trails. This includes 17 miles on the Front Country Ranger District (Baldy Mesa), 15 miles on the Front Country Ranger District (Circle Mountain), and 15 miles of trails on the Mountaintop Ranger District (Cactus Flats, Air Curtain Destructor Site, Big Pine Flats, and Holcomb Valley).

D. Monitoring and Methodology

Monitoring will be shared amongst USDA Forest Service and SBNFA staff. Regular visits to the site and recording observations will assist in determining the success of the restoration project.

E. List of Reports

F. Goals, Objectives and Methodology / Peer Reviews

G. Plan for Protection of Restored Area

To protect the restored area, the SBNFA will follow its USDA Forest Service partner's guidelines. In addition, SBNFA OHV Volunteers will provide support by regularly patrolling the restored areas to educate possible intruders as to the need to protect this area.

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Additional Documentation for Grants and Cooperative Agreements Program - 2008/2009 6/2/2009 Agency: San Bernardino National Forest Association Application: Restoration

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1. Project-Specific Maps

Attachments: Map Including Restoration Sites

2. Project-Specific Photos

Version #

Attachments:

Baldy Mesa

Air Curtain Destructor site

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Project Cost Estimate for Grants and Cooperative Agreements Program - 2008/2009 Agency: San Bernardino National Forest Association Application: Restoration

	FOR OFFICE USE ONLY:	Version #		APP #		
APPLICANT NAME :	San Bernardino National Forest Assoc	iation				
PROJECT TITLE :	Restoration			PROJECT NUMBER (Division use only):		
PROJECT TYPE :	Acquisition	Development	☐ Educatio	n & Safety	Ground Operations	
	Law Enforcement	Planning	Restorat	ion		
	Restoration Maintenance and Monitori	ng Support Grant				
	Area covers past and upcoming restor unauthorized off highway vehicle trails Holcomb Valley.	ation projects in support of the San Ber in the following areas: Baldy Mesa, Ca	nardino Nation ctus Flats, Circ	nal Forest ecological resto cle Mountain, Air Curtain	oration program, including 47 miles of Destructor Site, Big Pine Flats and	
	Project Description:					
PROJECT DESCRIPTION :	people visit the San Bernardino Nation Several areas have been identified by Cactus Flats, Circle Mountain, Air Curt coordination, environmental analyses, past and proposed restoration grant pr	on and environmental education. The San OHV volunteer program and the Chilative plant propagation, and watering/ms are contributed annually to the SBNF all Forest annually, making this forest be the SBNF that are in need of restoratio ain Destructor Site, Big Pine Flats, and monitoring plans, and overall project mojects awarded to the SBNF by the Stang and volunteer coordination to increa	BNFA has sup dren's Forest y aintaining past to maintain the oth the most vin work on unau Holcomb Valle anagement for the OHV grant pase the capacity	ported restoration project youth volunteer program, planting projects. Between e forest. (3,900 annual CF isited and most impacted uthorized OHV trails, including these restoration project program.	ts of the SBNF for 15 years through which provide volunteer support for en the OHV and Children's Forest (CF); 21,500 annual OHV). Over 5 million National Forest. uding, but not limited to Baldy Mesa, on project). The SBNF is providing as. This grant proposal is in support of ects, offering field work, tree planting,	
	The SBNFA also operates a native plant greenhouse, which can grow an additional 2,000 plants annually to support these restoration projects, and hold over larger plants grown by the SBNF greenhouse waiting for ideal planting conditions. The greenhouse is a year-round operation in which a large amount of staffing and volunteer support is required. Plant species grown in this greenhouse will be determined by the Restoration Biologist of the SBNF. Volunteer support of the greenhouse will consist of 500 hours annually, or \$9,520 of in-kind service.					
	The SBNFA is requesting funds to provide volunteer coordination and field support of OHV restoration projects, staffing support to operate the greenhouse, and dollars to purchase supplies necessary to grow 2,000 plants in the greenhouse.					
	The Proposed Budget for this project is	s as follows.				
	Resources necessary for this project ir supplies, including soil, soil amendmen					

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Project Cost Estimate for Grants and Cooperative Agreements Program - 2008/2009 Agency: San Bernardino National Forest Association Application: Restoration

plants), and \$15,360 for Program Manager (384 hours annually @ \$40.00/hour) for a total of \$28,360 requested. A 10% Administrative cost is also requested for an additional \$2,836, for a total of \$31,196 requested for this project. Matching resources include \$46,077 in kind volunteer service (1,920 hours in the field, 500 hours in the greenhouse for 1,420 hours at the current government rate of \$19.04/hour), \$5,000 in tree planting supplies provided by TreePeople, and \$10,000 in salary provided by the Disney Wildlife Conservation Fund, for a total match of \$61,077. Total Project Budget is \$92,273.

Grant Timeframe: July 2009 – July 2010

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total	
DIREC	DIRECT EXPENSES							
Progra	am Expenses							
1	Staff							
	Other-Program Manager(s)	384.000	40.000	HRS	15,360.00	0.00	15,360.00	
	Other-Greenhouse Coordinator	2000.000	5.000	EA	10,000.00	0.00	10,000.00	
	Other-Volunteer hours	2420.000	19.040	HRS	0.00	46,077.00	46,077.00	
	Other-Supplies	1.000	3000.000	MISC	3,000.00	0.00	3,000.00	
	Other-Administrative	1.000	2836.000	YR	2,836.00	0.00	2,836.00	
	Other-TreePeople Donation	1.000	5000.000	YR	0.00	5,000.00	5,000.00	
	Other-Disney Donation	1.000	10000.000	YR	0.00	10,000.00	10,000.00	
	Total for Staff				31,196.00	61,077.00	92,273.00	
2	Contracts							
3	Materials / Supplies							
	Other-Greenhouse supplies	1.000	5000.000	YR	5,000.00	0.00	5,000.00	
4	Equipment Use Expenses							
	Other-Mileage	1.000	1000.000	YR	1,000.00	0.00	1,000.00	
5	Equipment Purchases							
	Other-Soil, Irrigation, Shade Structures	1.000	5000.000	YR	0.00	5,000.00	5,000.00	
6	Others							

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Project Cost Estimate for Grants and Cooperative Agreements Program - 2008/2009 Agency: San Bernardino National Forest Association Application: Restoration

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
	Other-Sanitary and Safety Equipment	1.000	1200.000	YR	1,200.00	0.00	1,200.00
7	Administrative Costs						
	Administrative Costs-Staff Accountant	1.000	3700.000	YR	3,700.00	0.00	3,700.00
Total Program Expenses					42,096.00	66,077.00	108,173.00
TOTAL DIRECT EXPENSES				42,096.00	66,077.00	108,173.00	
TOTAL	TOTAL EXPENDITURES				42,096.00	66,077.00	108,173.00

Project Cost Summary for Grants and Cooperative Agreements Program - 2008/2009 Agency: San Bernardino National Forest Association Application: Restoration

	Line Item	Grant Request	Match	Total	Narrative		
DIRE	DIRECT EXPENSES						
Prog	gram Expenses						
1	Staff	31,196.00	61,077.00	92,273.00			
2	Contracts	0.00	0.00	0.00			
3	Materials / Supplies	5,000.00	0.00	5,000.00			
4	Equipment Use Expenses	1,000.00	0.00	1,000.00			
5	Equipment Purchases	0.00	5,000.00	5,000.00			
6	Others	1,200.00	0.00	1,200.00			
7	Administrative Costs	3,700.00	0.00	3,700.00			
Total Program Expenses		42,096.00	66,077.00	108,173.00			
тот	AL DIRECT EXPENSES	42,096.00	66,077.00	108,173.00			
тот	AL EXPENDITURES	42,096.00	66,077.00	108,173.00			

Environmental Review Data Sheet (ERDS) for Grants and Cooperative Agreements Program - 2008/2009
Agency: San Bernardino National Forest Association
Application: Restoration

	FOR OFFICE USE ONLY: Version # APP # 700225									
ļ	TEM 1 and ITEM 2									
	ITEM 1									
a.	ITEM 1 - Has a CEQA Notice of Determination (NOD) been filed for the Project? Yes No (Please select Yes or No)									
	ITEM 2									
b.	ITEM 2 - Are the proposed activities a "Project" under CEQA Guidelines Section 15378? Yes (Please select Yes or No)									
C.	The Application is requesting funds solely for personnel and support to enforce OHV laws Yes and ensure public safety. These activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. (Please select Yes or No)									
d.	Other. Explain why proposed activities would not cause any physical impacts on the environment and are thus no a "Project" under CEQA. DO NOT complete ITEMS $3-9$									
	See San Bermardino National Forest's application. Reference ERDSs of Restoration projects (per Barbara Greenwood).									
ı	TEM 3 - Impact of this Project on Wetlands									
ı	TEM 4 - Cumulative Impacts of this Project									
	TEM 5 - Soil Impacts									
	TEM 6 - Damage to Scenic Resources									
I	EM 7 - Hazardous Materials									
	Is the proposed Project Area located on a site included on any list compiled pursuant to Yes No Section 65962.5 of the California Government Code (hazardous materials)? (Please select Yes or No)									
	If YES, describe the location of the hazard relative to the Project site, the level of hazard and the measures to be taken to minimize or avoid the hazards.									
I	EM 8 - Potential for Adverse Impacts to Historical or Cultural Resources									
	Would the proposed Project have potential for any substantial adverse impacts to Yes No historical or cultural resources? (Please select Yes or No)									
	If YES, describe the potential impacts and for any substantially adverse changes in the significance of historical o cultural resources and measures to be taken to minimize or avoid the impacts.									
ı	TEM 9 - Indirect Significant Impacts									
(EQA/NEPA Attachment									

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		Арр	lication: Re	estoration		
		FOR OFFICE USE ONLY: Ve	rsion #	APP # 700225		
1.		Project Cost Estimate - Q 1. (Auto populates	from Cost	Estimate)		
	 As calculated on the Project Cost Estimate, the percentage of the Project costs covered by the Applicant is: 5 					
		(Check the one most appropriate) (Please sel 76% or more (10 points) 51% - 75% (5 points) 26% - 50% (3 points) 25% (Match minimum) (No points)	ect one fron	n list)		
2.		Natural and Cultural Resources - Q 2.				
	2.	_	nd the Proje	ect will result in adverse impacts to: 12		
		(Check all that apply) (Please select applicabl ✓ Domestic water supply (4 points)	e values) entified in th	e California Register of Historical Resources or the		
		Stream or other watercourse (3 points)	, ,			
		Soils - Site actively eroding (2 points)				
		Sensitive areas (e.g., wilderness, ripariar number of sensitive habitats [riparian are		ACEC) (2 point each, up to a maximum of 6) Enter		
		Threatened and Endangered (T&E) listed species	d species (2	point each, up to a maximum of 6) Enter number of T&E		
		Other special-status species- Number of number of special-status species	special-stat	us species (1 point each, up to a maximum of 3) Enter		
		Describe the type and severity of impacts tha	t might occu	r relative to the checked item(s):		
		erosion and soil depletion is very real. By residomestic water supply will stay cleaner and le	toring dama ss contamir	ses high-desert to alpine environments, the concern of ged areas, riparian areas, streams, drainages and the lated from erosion and runoff. In addition, restoring in their proper state, and reduce chances of degradation.		
3.		Reason for Project - Q 3.				
	3.	3. Reason for the Project 4				
		(Check the one most appropriate) (Please sel	ect one fron	n list)		
		Protect special-status species or cultural	site (4 poin	ts)		
		Restore natural resource system damage	ed by OHV a	activity (4 points)		
		OHV activity in a closed area (3 points)				
		Alternative measures attempted, but faile	ed (2 points)			
		Management decision (1 point)				
		Scientific and cultural studies (1 point)				
		Planning efforts associated with Restorate	tion (1 point			
		Reference Document				

4. Measures to Ensure Success - Q 4.

US Forest Service San Bernardino Grant Application.

4. Measures to ensure success –The Project makes use of the following elements to ensure successful

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Evaluation Criteria for Grants and Cooperative Agreements Program - 2008/2009 Agency: San Bernardino National Forest Association Application: Restoration implementation 10 (Check all that apply) Scoring: 2 points each (Please select applicable values) Site monitoring to prevent additional damage ☑ Construction of barriers and other traffic control devices ✓ Use of native plants and materials Incorporation of universally recognized 'Best Management Practices' Educational signage ▼ Identification of alternate OHV routes to ensure that OHV activities will not reoccur in restored area Explain each item checked above: Regular visits will be made to monitor the restoration sites. Vertical mulching and barrier may be employed to reduce off-trail travel. Native plants will be used in reforestation efforts to maintain the ecosystem. Education signage regarding stewardship will be displayed. Alternate OHV routes and information will be available through volunteers in the field, as well as on signs and at outposts. 5. Publicly Reviewed Plan - Q 5. 5. Is there a publicly reviewed and adopted plan (e.g., wilderness designation, land management plans, route designation decisions) that supports the need for the Restoration Project? 5 (Check the one most appropriate) (Please select one from list) No (No points) Yes (5 points) Identify plan USDA Forest Service San Bernardino National Forest Route Designation Plan. Primary Funding Source - Q 6. 6 6. Primary funding source for future operational costs associated with the Project will be: 3 (Check the one most appropriate) (Please select one from list) Applicant's operational budget (5 points) Volunteer support and/or donations (3 points) Other Grant funding (2 points) OHV Trust Funds (No points) If 'Operational budget' is checked, list reference document(s):

7. Public Input - Q 7.

7. The Project was developed with public input employing the following 2

(Check all that apply) Scoring: 1 point each, up to a maximum of 2 points (Please select applicable values)

Meeting(s) with the general public to discuss Project (1 point)

☑ Conference call(s) with interested parties (1 point)

Meeting(s) with stakeholders (1 point)

Explain each statement that was checked

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Route designation and forest improvement hearings were held to assess public interests.

Conference calls amongst USDA Forest Service and SBNFA staff were held to determine priorities.

Meetings were held with SBNFA, USDA Forest Service, partners and volunteers to determine the appropriate

		courses of action for this project.				
8.		Utilization of Partnerships - Q 8.				
	8.	The Project will utilize partnerships to successfully accomplish the Project. The number of partner organizations that will participate in the Project are 4				
		(Check the one most appropriate) (Please	e select one from list)			
		© 4 or more (4 points)	C 2 to 3 (2 points)			
		C 1 (1 point)	None (No points)			
		List partner organization(s):				
		Treepeople, USDA Forest Service, Swine	rton Foundation, Disney Foundation, Lighthouse Project.			
9.		Scientific and Cultural Studies - Q 9.				
	9.	Scientific and cultural studies will				
		(Check all that apply) (Please select app	licable values)			
		Determine appropriate Restoration to	echniques (2 points)			
		A. Maria	ecreation on natural or cultural resources (2 points)			
		Examine methods to ensure success	· · · /			
		Lead to direct management action (1	point)			
		Explain each item checked above				
10		Underlying Problem - Q 10.				
	10	The underlying problem that resulted in the addressed and resolved 0	e need for the Restoration Project has been effectively			
		(Check the one most appropriate) (Please	e select one from list)			
		No (No points)	C Yes (3 points)			
		Explain 'Yes' answer				
11.	•	Size of sensitive habitats - Q 11.				
	11	. Size of sensitive habitats (e.g., wilderness be restored 5	s, riparian, wetlands, ACEC) within the Project Area which will			
		(Check the one most appropriate) (Please	e select one from list)			
		© Greater than 10 acres (5 points)				
		C Less than 1 acre (1 points)				
		No sensitive habitat within Project A	rea (No points)			

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